PORT ANGELES WATER TREATMENT PLANT (PAWTP)

Port Angeles Water Treatment Plant

Water Quality Mitigation Projects - **Port Angeles Water Treatment Plant Project (PAWTP)**
Text for inclusion in the Elwha River Restoration Project JARPA
All bold text is copied from the JARPA application. All responses are in normal text.

SECTION 2

4. NAME, ADDRESS, AND PHONE NUMBER OF PROPERTY OWNER(S), IF OTHER THAN APPLICANT.
City Of Port Angeles

5. LOCATION (STREET ADDRESS, INCLUDING CITY, COUNTY AND ZIP CODE, WHERE PROPOSED ACTIVITY EXISTS OR WILL OCCUR)
The Port Angeles Water Treatment Plant (PAWTP) will be located on the City of Port Angeles property adjacent to the City's existing solid waste landfill and the proposed solid waste transfer station, 3501 W. 18th St. Port Angeles, Washington 98363

LOCAL GOVERNMENT WITH JURISDICTION (CITY OR COUNTY)
City of Port Angeles, Clallam County

WATERBODY
Dry Creek

TRIBUTARY OF
N/A

WRIA#
18

¼ SECTION
NE1/4

SECTION
1

TOWNSHIP
30N

RANGE
7W

SHORELINE DESIGNATION
N/A

TAX PARCEL NUMBER
See Ownership List

DNR STREAM TYPE, IF KNOWN
N/A

Port Angeles Water Treatment Plant

6. DESCRIBE THE CURRENT USE OF THE PROPERTY, AND THE STRUCTURES EXISTING ON THE PROPERTY. IF ANY PORTION OF THE PROPOSED ACTIVITY IS ALREADY COMPLETED ON THIS PROPERTY, INDICATE THE MONTH AND YEAR OF COMPLETION.

The site currently contains the City of Port Angeles solid waste landfill facility. The existing site currently has the following components:

1. Active landfill and other solid waste processing facilities
2. Compost building
3. Landfill offices
4. Truck scales
5. Multiple drainage detention basins
6. Two sewage pumping facilities
7. Gravel and asphalt access roads
8. Site chain link fencing
9. Numerous aboveground and underground utilities are in the area.

These existing facilities currently provide for solid waste disposal for the City of Port Angeles.

At this time, none of the PAWTP site improvements or facilities have been constructed at the site.

IS THIS PROPERTY ON AGRICULTURAL LAND?
No

ARE YOU A USDA PROGRAM PARTICIPANT?
No

7.a. DESCRIBE THE PROPOSED CONSTRUCTION AND/OR FILL WORK FOR THE PROJECT THAT YOU WANT TO BUILD THAT NEEDS AQUATIC PERMITS: COMPLETE PLANS AND SPECIFICATIONS SHOULD BE PROVIDED FOR ALL WORK WATERWARD OF THE ORDINARY HIGH WATER MARK OR LINE, INCLUDING TYPES OF EQUIPMENT TO BE USED. IF APPLYING FOR A SHORELINE PERMIT, DESCRIBE ALL WORK WITHIN AND BEYOND 200 FEET OF THE ORDINARY HIGH WATER MARK. ATTACH A SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED.

The proposed construction at the PAWTP site will include constructing an 11 million gallon per day (mgd) potable water treatment plant. The treatment plant will include these major facilities:

1. Treatment plant building will include coagulation, filters, disinfection and chemical feed, office, operations, controls, shop, laboratory and high service pumping and backwash pumping room.
2. Sludge drying beds, backwash holding and recycle storage basins.
3. Gravel and asphalt access roads, site perimeter chain link fencing

All of the proposed PAWTP work will be above the waterward ordinary high water mark (OHWM) and beyond the 200 foot OHWM.

No portions of the PAWTP project located at the City's landfill site will be subject to an aquatic permit.

As shown on the attached figure, a portion of the underground pipeline construction will be within wetlands area.

Construction equipment used for installing the underground utilities in the wetlands will include a track mounted hydraulic excavator, front end loader and compaction equipment. Concrete trucks will need to come into the area but may be able to stay on the perimeter of the wetlands.

Following utility installation, backfill compaction and pipeline testing, the wetlands site will be restored to the pre-construction condition.

7.b. DESCRIBE THE PURPOSE OF THE PROPOSED WORK AND WHY YOU WANT OR NEED TO PERFORM IT AT THE SITE. PLEASE EXPLAIN ANY SPECIFIC NEEDS THAT HAVE INFLUENCED THE DESIGN.

The proposed PAWTP construction will treat water from the existing Ranney Well or the Elwha Water Treatment Plant (EWTP) and treat the water to potable standards. The PAWTP will house high service pumps that will pump the water from the PAWTP facility into the City of Port Angeles water distribution system including pumping water to the Black Diamond and Peabody water storage tanks.

No discharges from the plant processes will be made to Dry Creek, as 100 percent of the recycled storage water will be recycled back to the plant headworks. Site stormwater drainage will be collected on site and sent through an oil/water separator. The effluent from the oil/water separator will connect to the stormwater system servicing the remainder of the landfill property.

7.c. DESCRIBE THE POTENTIAL IMPACTS TO THE CHARACTERISTIC USES OF THE WATER BODY. THESE USES MAY INCLUDE FISH OR AQUATIC LIFE, WATER QUALITY, WATER SUPPLY, RECREATION AND AESTHETICS. IDENTIFY PROPOSED ACTIONS TO AVOID, MINIMIZE, OR MITIGATE DETRIMENTAL IMPACTS, AND PROVIDE PROPER PROTECTION OF FISH AND AQUATIC LIFE. ATTACH A SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED.

There are no short term or long term impacts to any water bodies in the area from this project.

See Items 11 through 13 below regarding wetlands impact.

8. WILL THE PROJECT BE CONSTRUCTED IN STAGES?
Yes. Different portions of the plant will be under construction at different times. One reason for this is to have adequate contractor lay down areas during construction. Many construction operations may be ongoing simultaneously.

PROPOSED STARTING DATE:
The anticipated start date for the PAWTP construction will occur toward the end of 2006. The exact starting date will be determined based on issuance of the necessary permits, negotiations with the successful Contractor, and the Contractor's schedule as to when they would be completing this portion of the Work.

ESTIMATED DURATION OF ACTIVITY:
Overall PAWTP construction is anticipated to take approximately 24 months; construction of the utility tie-in that is within the wetlands is a 4 to 6 week activity. This includes time to coordinate with the City for shutdown of their 24-inch pipeline that provides potable water to their system, physical utility tie in, bringing the water system back online and repeating this sequence for the two connections that are required.

9. CHECK IF ANY STRUCTURES WILL BE PLACED:

WATERWARD OF THE ORDINARY HIGH WATER MARK OR LINE FOR FRESH OR TIDAL WATERS.
No.

WATERWARD OF MEAN HIGH WATER LINE IN TIDAL WATERS
No

10. WILL FILL MATERIAL (ROCK, FILL, BULKHEAD, OR OTHER MATERIAL) BE PLACED:

WATERWARD OF THE ORDINARY HIGH WATER MARK OR LINE FOR FRESH OR TIDAL WATERS.
No
WATERWARD OF MEAN HIGH WATER LINE IN TIDAL WATERS.
No

11. WILL MATERIAL BE PLACED IN WETLANDS?
Yes. The wetlands are shown on the attached figures. A portion of the wetlands may be disturbed during utility installation. No additional materials will be placed in the wetlands, which would affect drainage. Following pipeline installation, the trench will be backfilled with compacted native materials and the surface will be restored back to the original condition.

IF YES,

A. IMPACTED AREA IN ACRES: >.01

B. HAS A DELINEATION BEEN COMPLETED? IF YES, PLEASE SUBMIT WITH APPLICATION.
Yes

C. HAS A WETLAND REPORT BEEN PREPARED? IF YES, PLEASE SUBMIT WITH APPLICATION.
Yes

D. TYPE AND COMPOSITION OF FILL MATERIAL (E.G. SAND, ETC):
Fill materials will be native materials, which consists of gravelly materials underlain by a deep deposit of glacially deposited dense silty sand, gravel and cobbles. The pipeline bedding material will be clean gravel, compacted in place.

E. MATERIAL SOURCE:
Onsite native materials

13. WILL PROPOSED ACTIVITY CAUSE FLOODING OR DRAINING OF WETLANDS?
Yes. The utility construction will include open trench excavation, which will be dewatered during construction if needed. The utility must be installed in the dry trench condition. Following construction, the backfill operations will restore the surface to the same elevations as pre construction. Therefore, permanent flooding or draining of the wetlands will not occur.

14. WILL EXCAVATION OR DREDGING BE REQUIRED IN WATER OR WETLANDS?
Yes. Connection to the existing 24-inch pipeline in vacated Milwaukee RR Grade (Road) may require short-term excavation in the wetlands. After the pipeline is complete, the wetlands will be restored to the pre construction conditions.

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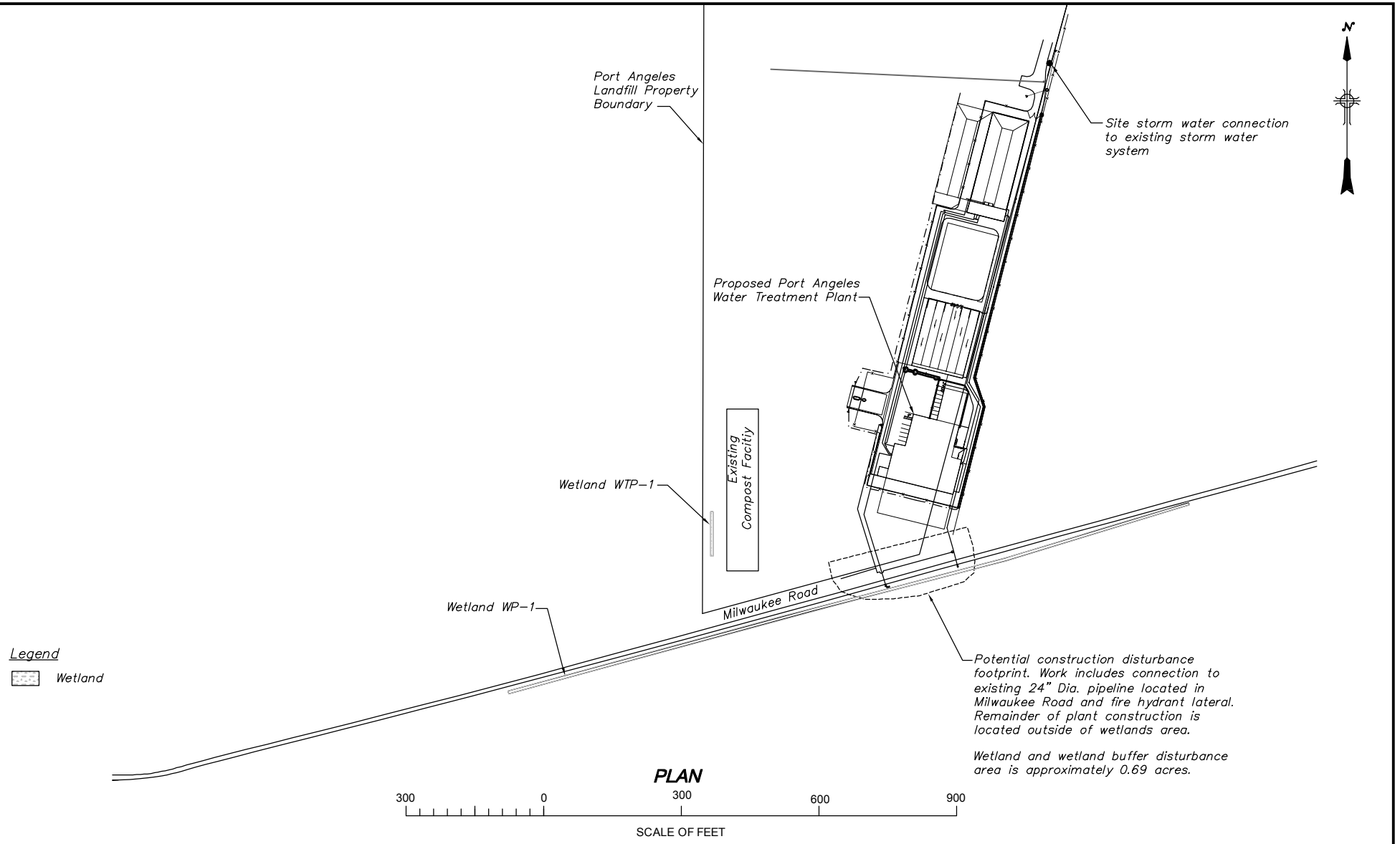

Purpose: Port Angeles Water Treatment Plant and Adjacent Wetlands

Adjoining Property Owners:

See JARPA Application

ELWHA RIVER RESTORATION PROJECT

Port Angeles Water Treatment Plant

Port Angeles Water Treatment Plant

Proposed: Port Angeles Water Treatment Plant Construction

Reference: 200600334

Near: City of Port Angeles Solid Waste Landfill

Application by: National Park Service

Figure 1 of 2

Date: 3/31/2006

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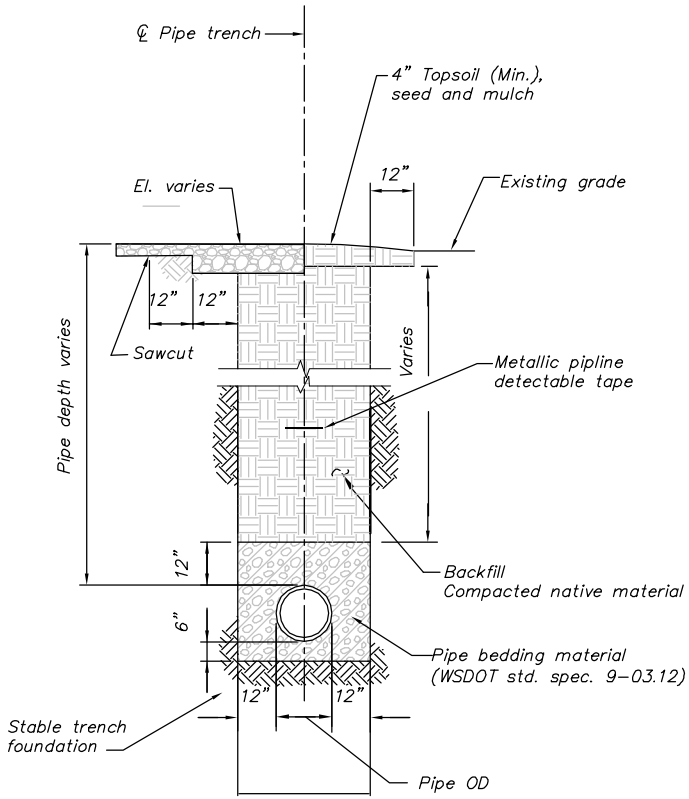
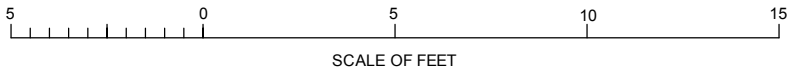
Notes:
Detectable tape shall be 3" wide,
utility line below" material; polyethylene
polyethylene with metallic core.





Purpose: Port Angeles Water Treatment Plant and Adjacent Wetlands Adjoining Property Owners: See JARPA Application	ELWHA RIVER RESTORATION PROJECT Port Angeles Water Treatment Plant Typical Pipe Trench Section	Proposed: Port Angeles Water Treatment Plant Construction Reference: 200600334 PAWTP - Page 7 of 7 Near: City of Port Angeles Solid Waste Landfill Application by: National Park Service Figure 2 of 2 Date: 3/31/2006